IN THE CLAIMS

Claims 1-48 were previously cancelled. Claims 49, 50, 52, 58, 61, 62, 65, 71, 73, 90, 102 and 107 are currently amended. Claims 53-55, 57, 60, 64, 66, 68, 70, 72, 74, 76, 77, 79, 80, 82, 83, 86, 87, 89, 92, 95, 97-101 and 109-120 are cancelled. Claims 51, 56, 59, 63, 67, 69, 75, 78, 81, 84, 85, 88, 91, 93, 94, 96, 103-106 and 108 are carried forward, all as follows.

Claims 1-48 (Cancelled)

49. (Currently Amended) A method for reducing bending vibrations in at least one rotary cylinder of a processing machine including:

providing at least one journal for said at least one rotating cylinder;

supporting said at least one journal in a bearing;

~~providing a lever arm portion of said at least one journal of on a side of said bearing facing away from said at least one rotating cylinder;~~

providing an actuator ~~and engaging said lever arm portion of said journal with said actuator;~~ for exerting a bending stress for counteracting said bending vibration in said at least one rotating cylinder;

~~providing signals for charging said actuator~~

engaging said journal with said actuator;

~~using said bearing as a pivot point for said bending stress;~~

determining an angle of rotation position of said at least one rotating cylinder;

predicting~~providing~~ a sequence of ~~said~~ signals as a function of said angle of rotation position of said cylinder; and

charging said actuator with said sequence of signals in a periodically repeating pattern.

50. (Currently Amended) The method of claim 49 further including providing said signal with a strength and a direction of a counterforce being applied by said actuator.

51. (Previously Presented) The method of claim 49 further including providing said signal with a size and direction of a required actuating path.

52. (Currently Amended) The method of claim 49 further including charging said actuator with said sequence of signals in said periodic repetitions during steady state operating of said at least one rotating cylinder.

Claims 53-55 (Cancelled)

56. (Previously Presented) The method of claim 49 further including using said actuator for changing a position of an axial bending line of said journal.

Claim 57 (Cancelled)

58. (Currently Amended) The method of claim 49~~55~~ further including ~~supporting said~~

~~at least one journal in a bearing,~~ providing a lever end of said at least one journal on a side of said bearing facing away from said rotating cylinder, and using said bearing as a pivot point for a bending stress applied to said lever end by said at least one actuator.

59. (Previously Presented) The method of claim 49 further including using said actuator and changing a position of said journal in a plane perpendicular to an axis of rotation of said rotating cylinder.

60. (Cancelled)

61. (Currently Amended) The~~A~~ method ~~for reducing bending vibrations in at least one rotating cylinder~~ of claim 49 further~~a processing machine~~ including[[:]]

providing journals at first and second spaced ends of said at least one rotating cylinder[[;]] and

~~supporting said journals in bearings;~~

~~providing an actuator and engaging at least one of said journals with said actuator;~~

~~providing a signal for charging said actuator for generating a counterforce;~~

~~determining an angle of rotation position of said at least one rotating cylinder;~~

predicting a course of said signals~~signal~~ as a function of said angle of rotation position of said cylinder~~; and~~

~~changing a shape of an actual bending line of at least one of said journals~~

~~using said actuator;~~.

62. (Currently Amended) The method of claim 49~~61~~ further including providing said actuator with a component acting in a radial direction of said journal.

63. (Previously Presented) The method of claim 58 further including engaging said actuator with said journal at a distance of between 100 mm and 230 mm from a center of said bearing.

64. (Cancelled)

65. (Currently Amended) The method of claim 49~~63~~ further including providing an outboard bearing on said journal and engaging said actuator with said outboard bearing.

66. (Cancelled)

67. (Previously Presented) The method of claim 63 further including providing said journal having a diameter of between 55 mm and 65 mm and engaging said actuator with said journal at a distance of between 125 mm and 175 mm.

68. (Cancelled)

69. (Previously Presented) The method of claim 63 further including providing said journal having a diameter of between 65 mm and 75 mm and engaging said actuator with said journal at a distance of between 150 mm and 230 mm.

70. (Cancelled)

71. (Currently Amended) The method of claim 4961 further including engaging said actuator with said journal on a side of said bearing facing away from said rotating cylinder.

72. (Cancelled)

73. (Currently Amended) The method of claim 4952 further including setting a length of said period corresponding to a whole number of revolutions of said at least one rotating cylinder.

74. (Cancelled)

75. (Previously Presented) The method of claim 50 further including providing said counterforce as at least one discrete pulse.

Claims 76-77 (Cancelled)

78. (Previously Presented) The method of claim 50 further including providing said counterforce as a function extending continuously within a period.

Claims 79-80 (Cancelled)

81. (Previously Presented) The method of claim 50 further including relieving an existing pre-stress using said signal.

Claims 82-83 (Cancelled)

84. (Previously Presented) The method of claim 50 further including correlating said counterforce directly with said angle of rotation position.

85. (Previously Presented) The method of claim 51 further including correlating said counterforce directly with said angle of rotation position.

Claims 86-87 (Cancelled)

88. (Previously Presented) The method of claim 52 further including determining a course of said bending vibration as a function of said angle of rotation position, determining a course of said counterforce as a function of said angle of rotation position, and storing said course of said bending vibration and said course of said counterforce in a control and memory device.

89. (Cancelled)

90. (Currently Amended) The method of claim 4953 further including providing a sensor and using said sensor for determining a course of said bending vibration.

91. (Previously Presented) The method of claim 88 further including providing a sensor and using said sensor for determining a course of said bending vibration.

92. (Cancelled)

93. (Previously Presented) The method of claim 90 further including providing said actuator as said sensor.

94. (Previously Presented) The method of claim 91 further including providing said actuator as said sensor.

95. (Cancelled)

96. (Previously Presented) The method of claim 49 further including providing said actuator as a piezo element.

Claims 97-101 (Cancelled)

102. (Currently Amended) The~~A~~ method ~~for reducing bending vibrations in at least one rotating cylinder~~ of claim 49 further ~~a processing machine~~ including[[:]]

~~providing at least one journal for said rotating cylinder;~~

providing at least one bending vibration inducing obstruction on a circumference of said rotating cylinder[[;]],

charging said actuator with said sequence of signals for producing~~at least one journal with~~ a changeable force counteracting said bending vibration[[;]] and

applying said changeable force at least once during each revolution of said rotating cylinder for each said obstruction.

103. (Previously Presented) The method of claim 102 further including providing a second cylinder and counteracting bending vibrations in said rotating cylinder caused by a rolling-off of said at least one obstruction on said second cylinder.

104. (Previously Presented) The method of claim 103 further including providing one changeable force for each said obstruction.

105. (Previously Presented) The method of claim 102 further including providing a second cylinder in contact with said rotating cylinder and relating said changeable force to an excitation caused by a rolling-off of said at least one obstruction on said second cylinder.

106. (Previously Presented) The method of claim 102 further including providing a

bearing supporting said at least one journal and applying said changeable force on said at least one journal on a side of said bearing facing away from said rotating cylinder.

107. (Currently Amended) The method of claim 102~~107~~ further including providing said rotating cylinder as a cylinder of a printing press.

108. (Previously Presented) The method of claim 49 further including providing said rotating cylinder as a cylinder of a processing machine for web-stamped materials.

109-120 (Cancelled)